
Product Name: PSA (KLK3) Mouse Monoclonal Antibody**Catalog #: AMM80622**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	/

Antigen Information

Gene Name	PSA (KLK3)
Alternative Names	APS; PSA; hK3; KLK2A1; KLK3
Gene ID	354.0
SwissProt ID	P07288
Immunogen	Purified recombinant fragment of KLK3 (aa26-251) expressed in E. Coli.

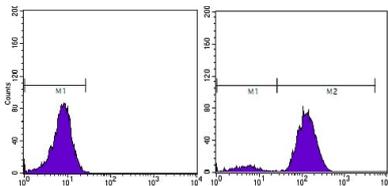
Background

Kallikrein-related peptidase 3. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its

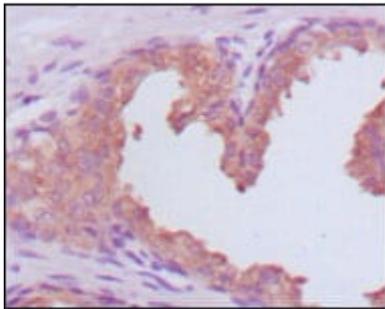
protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms.

Research Area

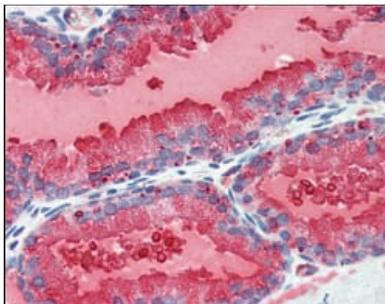
Image Data



Flow cytometric analysis of PC-3 cells using KLK3 mouse mAb (right) and negative control (left).



Immunohistochemical analysis of paraffin-embedded human prostate carcinoma tissues, showing cytoplasmic localization using KLK3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human prostate tissues using KLK3 mouse mAb with DAB staining.